

GENERAL STATE OPERATING PERMIT FOR CONCRETE PLANTS

PERMIT NUMBER: GSOP-9900-0573

GENERAL INFORMATION/REVISIONS

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A. FACILITY MAILING ADDRESS:

COMPANY NAME : Southern Asphalt
ADDRESS : P.O. Box 1549
CITY, STATE, ZIP : Conway, SC 29528

B. FACILITY CONTACT / LOCATION INFORMATION:

RESPONSIBLE CONTACT : Bobby Johnson
FACILITY TELEPHONE NUMBER : (843) 458-5231
FACILITY LOCATION : 3374 Mt. Pisgah Cemetary Road, Conway
COUNTY : Horry

C. APPLICABLE PERMIT DATES:

ISSUE DATE : March 24, 2011
EXPIRATION DATE : February 28, 2021
APPLICATION RENEWAL DATE : November 30, 2020

D. SOURCE IDENTIFICATION:

Emission Unit ID	Equipment Description	Control Device
001	150 ton/hr Peerless Pugmill Cement Plant	N/A
002	Cement Storage Tank	Binvent

E. EXEMPT EQUIPMENT OR PROCESSES:

ID	Description (Exemption Date)	Basis
N/A	N/A	N/A

F. ADDITIONAL CONDITIONS:

The facility must comply with the general state operating permit for concrete plants and any additional conditions listed in this section.

Condition Number	Equipment ID	Conditions
01	All Sources	This plant may be located on the same property as the existing asphalt plant permitted under 9900-0474 for storage only. When on the same property, assembly and operation may only be conducted for the purposes of maintenance and shakedown runs. The facility must gain approval from the Department prior to any other use.

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G. RECORD OF REVISIONS:

Revision Number	Final Revision Date	Description of Change (Specific Parts, Sections, and Tables Revised or Added)

Send copies of all revisions to Permit File, Main File, Regional EQC Office, and Facility Contact.

**OFFICE OF ENVIRONMENTAL QUALITY CONTROL
BUREAU OF AIR QUALITY
GENERAL STATE OPERATING PERMIT
FOR CONCRETE PLANTS**

Pursuant to the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), 1976 *Code of Laws of South Carolina* and the *South Carolina Air Quality Control Regulation 61-62.1*, Section II(F), the Bureau of Air Quality authorizes the operation of the equipment specified herein in accordance with the plans, specifications and other information submitted in the construction permit application. This permit is subject to all conditions and operating limitations contained herein.

General Applicability
In accordance with this permit, a concrete plant may operate under the conditions contained herein if it is comprised of one or any combination of the following: Boilers or other fuel combustion devices less than or equal to 30×10^6 BTU per hour, storage of sand and aggregate, sand and aggregate transfer to elevated bin, cement and/or flyash unloading to elevated storage silo, weigh hopper loading, central mixer loading, and/or truck loading, and the loading, transfer or storage associated with emission control systems. This permit is subject to and conditioned upon the terms, limitations, standards, and schedules contained in or specified on the attached pages of this permit.

I. STANDARD CONDITIONS

- A. The permit to operate may be renewed upon evidence of satisfactory operational experience during the prior operating period.
- B. This permit expressly incorporates all the provisions of *South Carolina Department of Health and Environmental Control Regulation 61-62.1*, Section II.

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II. SPECIAL CONDITIONS

A. EMISSION LIMITATIONS

Air pollutant emissions shall not exceed the following:

ID	Pollutant/ Standard	Limit	Reference Method	Regulation	State Only
Boilers	SO ₂	3.5 lbs/10 ⁶ BTU	6	SC Regulation 61-62.5 Standard 1	No
Boilers	PM	0.6 lbs/10 ⁶ BTU	5	SC Regulation 61-62.5 Standard 1	No
Boilers	Opacity	20%	9	SC Regulation 61-62.5 Standard 1	No
Boilers	Opacity	40% ¹	9	SC Regulation 61-62.5 Standard 1	No
All Other Operations	PM	See Condition II(D)(17)	5	SC Regulation 61-62.5 Standard 4	No
All Other Operations	Opacity	20%	9	SC Regulation 61-62.5 Standard 4	No
All Other Operations	Opacity	40% ²	9	SC Regulation 61-62.5 Standard 4	No

¹ Applies to fuel burning operations constructed prior to February 11, 1971.

² Applies to processes constructed on or prior to December 31, 1985.

The emission limitations listed for each emission unit are based on operation at permitted capacity. Operation at less than permitted capacity must meet emission limits specified in the applicable regulations based on that operating rate. All test methods must be the most recent revisions that are published in the *Code of Federal Regulations*, in accordance with the requirements of SC Regulation 61-62.1, Section IV, Source Test.

B. CONTINUOUS MONITORING REQUIREMENTS

ID	Pollutant	Averaging Time
N/A	N/A	N/A

N/A = Not Applicable

C. SOURCE TEST SCHEDULE

ID	Pollutant	Frequency	Method
N/A	N/A	N/A	N/A

N/A = Not Applicable

D. ADDITIONAL CONDITIONS

Condition Number	Conditions
1.	The permittee shall pay fees in accordance with SC Regulation 61-30, SC Environmental Protection Fees.

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Condition Number	Conditions
2.	<p>In accordance with SC Regulation 61-62.1 Section II(J), for all sources not required to have continuous emissions monitors, in the event of any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the local Environmental Quality Control (EQC) Regional office within twenty-four (24) hours after the beginning of the occurrence. The permittee shall also submit a written report within thirty (30) days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality (BAQ). The report shall contain as a minimum, the following: the identity of the emission unit and associated equipment where excess emissions occurred, the magnitude of excess emissions, the time and duration of excess emissions, the steps taken to remedy the malfunction and to prevent a recurrence, documentation that control equipment and processes were at all times maintained and operated, to the maximum extent practicable, in a manner that was consistent with good practice for minimizing emissions. Such a report shall in no way serve to excuse, otherwise justify, or in any manner affect any potential liability or enforcement action resulting from the occurrence.</p>
3.	<p>Air dispersion modeling may be required for concrete plants on a case-by-case basis as specified in the Bureau of Air Quality's <i>Air Quality Modeling Guidelines</i>. If this facility was required to submit air dispersion modeling to demonstrate that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard, the owner/operator shall comply with the following conditions:</p> <p>Any changes in the parameters used in the air dispersion modeling may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment A of this permit. Higher emission rates may be administratively incorporated into Attachment A of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded.</p> <p>The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment A, not to exceed the pollutant limitations of this operating permit. Should the facility wish to increase the emission rates listed in Attachment A, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified in this permit condition. This is a State Only enforceable requirement.</p>
4.	<p>These conditions shall not supersede any State or Federal requirements such as National Emission Standards for Hazardous Air Pollutants, unless these conditions would impose a more restrictive limit.</p>
5.	<p>This facility must gain approval from this Department prior to relocation to any other site in South Carolina.</p>
6.	<p>A log indicating the number of cubic yards per day of actual production will be maintained for this facility and made available to Department personnel upon request.</p>

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Condition Number	Conditions
7.	Within thirty (30) days of the transfer of ownership/operation of a facility, the current permit holder and prospective new owner/operator shall submit to the Department a written request for transfer of the source operating or construction permits. The written request for transfer of the source operating or construction permit shall include any changes pertaining to the company name and mailing address; the facility name and mailing address (if different from that of the company); the name, mailing address, and telephone number of the owner or agent for the company; and any proposed changes to the permitted activities of the source. Transfer of the operating permit will be effective upon written approval by the Department.
8.	All control devices shall be on-line and operating properly when the plant is in operation.
9.	Ruptured or inoperative bags/cartridges will be replaced promptly. A log will be kept of filter maintenance, specifically the time and date bags/cartridges are replaced. These records will be readily made available to Department personnel upon request.
10.	Fugitive emissions must be controlled by wet suppression, or in any other manner which has received prior approval from this Bureau. The control of fugitive emissions shall include, but not be limited to, the property around the plant itself and all entrances through which motor vehicles travel. Volatile organic compounds shall not be used for dust control purposes, and oil treatment is also prohibited.
11.	Sand and aggregate piles must be kept as wet as necessary to prevent visible dust emissions.
12.	Fines collected by the air pollution control equipment shall be handled in a manner that minimizes fugitive emissions to the maximum extent possible.
13.	System pressure drop gauges and cleaning cycle timers shall be installed, operated and maintained on each baghouse (excluding bin vent baghouses). System pressure drop on baghouse shall be monitored and recorded daily (excluding bin vents) and retained on site.
14.	The cement and flyash silo control device shall be visually inspected for leaks or visible emissions in the exhaust whenever the silo is being loaded or during a daily facility inspection, whichever is lesser. If leaks or visible emissions in the exhaust are present, loading of the silo shall immediately cease until corrective action has been taken. The results of the inspections shall be recorded, along with any corrective action taken.
15.	A weekly inspection shall be performed during truck load-out for proper operation. The results from the inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken.
16.	<p>In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began after December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 20%.</p> <p>Or</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section IX - Visible Emissions (Where Not Specified Elsewhere), where construction or modification began on or before December 31, 1985, emissions (including fugitive emissions) shall not exhibit an opacity greater than 40%.</p>
17.	In accordance with SC Regulation 61-62.5, Standard No. 4 - Emissions from Process Industries, Section VIII - Other Manufacturing, particulate matter emissions shall be limited to the rate specified by use of the following equations: for process weight rates less than or equal to 30 tons per hour ($E = 4.10P^{0.67}$) and for process weight rates greater than 30 tons per hour ($E = 55.0P^{0.11} - 40$) where E = the allowable emission rate in pounds per hour and P = process weight rate in tons per hour.

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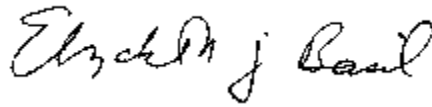
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Condition Number	Conditions
18.	<p>Natural gas, propane, liquefied petroleum gas and fuel oil shall be the only fuels used. Recycled oil can be used with prior written approval from this Department.</p> <p>Fuel oil sulfur content shall be less than or equal to 0.5 percent by weight. Documentation of sulfur content for fuel oils fired in non-exempt sources must be retained on site. The use of any other substances as fuel is prohibited without prior written approval from the Bureau of Air Quality.</p>
19.	<p>Facilities that have the authorization to burn recycled/waste oil as fuel shall maintain records of the following information:</p> <ol style="list-style-type: none"> For each shipment, date and total amount of specification oil received. On site generated specification oil usage and dates. Chemical analysis of the fuel oil for total halogens, total lead, total chromium, total cadmium, total arsenic, total nickel, percent sulfur and BTU content shall be performed on each shipment, or annual sampling of on site batches shall be performed. Constituents for fuel oil cannot exceed those defined for "specification" oil in SC Regulation 61-62.1.
20.	<p>In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section II - Particulate Matter Emissions, the allowable discharge of particulate matter resulting from the fuel burning operations is 0.6 pounds per million BTU heat input.</p>
21.	<p>In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations on or after 02/11/71, each unit shall not discharge into the ambient air smoke which exceeds an opacity of 20%. The twenty (20) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period.</p> <p>Or</p> <p>In accordance with SC Regulation 61-62.5, Standard No. 1, Emissions from Fuel Burning Operations constructed before 02/11/71, each unit shall not discharge into the ambient air smoke which exceeds an opacity of 40%. The forty (40) percent opacity limit may be exceeded for sootblowing, but may not be exceeded for more than six (6) minutes in a one hour period nor be exceeded for more than a total of twenty-four (24) minutes in a twenty-four (24) hour period. Emissions caused by sootblowing shall not exceed sixty (60) percent opacity.</p> <p>The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions. The owner/operator shall, for a period of at least five (5) years maintain a log of the time, magnitude, duration and any other pertinent information to determine periods of startup and shutdown and make these records available to a Department representative upon request. Startup, shutdown, and malfunction records are not required for exempt fuel burning sources.</p>
22.	<p>In accordance with SC Regulation 61-62.5, Standard No. 1 - Emissions from Fuel Burning Operations, Section III - Sulfur Dioxide Emissions, the maximum allowable discharge of SO₂ resulting from the fuel burning operations is 3.5 pounds per million BTU heat input.</p>
23.	<p>Unless elsewhere specified within this permit, all records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least five (5) years from the date generated and shall be made available to a Department representative upon request.</p>
24.	<p>The facility must comply with any additional conditions listed in Section F of the General Information/Revisions sheet.</p>

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No deviation from the plans and specifications submitted with your application or the conditions specified herein is permitted, unless authorized in writing by the Bureau of Air Quality. The owner/operator is responsible for satisfactory compliance with all Air Pollution Regulations and Standards.

A handwritten signature in black ink, appearing to read "Elizabeth J. Basil". The signature is fluid and cursive, with the first name "Elizabeth" and last name "Basil" clearly legible.

Elizabeth J. Basil, Director
Engineering Services Division
Bureau of Air Quality

March 24, 2011

Southern Asphalt
P.O. Box 1549
Conway, SC 29528

ATTENTION: Bobby Johnson

Dear Mr. Johnson:

Enclosed is General State Operating Permit for Concrete Plants No. GSOP-9900-0573. Please note the conditions and limitations imposed. Pursuant to the South Carolina Administrative Procedures Act, any Department decision involving the issuance, denial, suspension, or revocation of a permit or certification may be appealed by the applicant, permittee, licensee, or affected person. Please see the enclosed "Notice of Appeal Procedure" for guidelines on filing an appeal. This permit will be valid through February 28, 2021.

Enclosed with this letter is a copy of General State Operating Permit for Concrete Plants. Also enclosed are the "General Information" and "Record of Revisions" pages for this permit. These pages serve as documentation of your facility's individual coverage under this permit and should be kept with all other relative permit documents. If at any time this information should need to be updated, or if the facility is in need of a permit modification, these pages will be revised and replaced by the Bureau.

Please examine this new permit carefully for errors or omissions and notify the appropriate staff member, Christopher Hardee, (803) 898-0039 or E-mail at hardeecd@dhec.sc.gov promptly if any are discovered.

Sincerely,



Elizabeth J. Basil, Director
Engineering Services Division
Bureau of Air Quality

EJB:cdh:pww

Enclosures

cc: Matt Maxwell, Region 6, Myrtle Beach EQC Office
Bob Eastman, Davis and Floyd
Permit File: 9900-0573